



1 -

"METHOD AND APPARATUS FOR FORMING AN OPTICAL FIBER  
PREFORM BY COMBUSTIONLESS HYDROLYSIS"

\* \* \* \* \*

ABSTRACT

The present invention relates to a method and apparatus for fabricating a glass preform used in the manufacture of optical waveguides. The method utilizes a gas phase hydrolysis of a silica precursor without using a carrier gas. The flow of the reactants in the reaction chamber is confined and deposited on the target preform by careful control of the thermal profile in the system.

Fig. 2